

FIG. 1

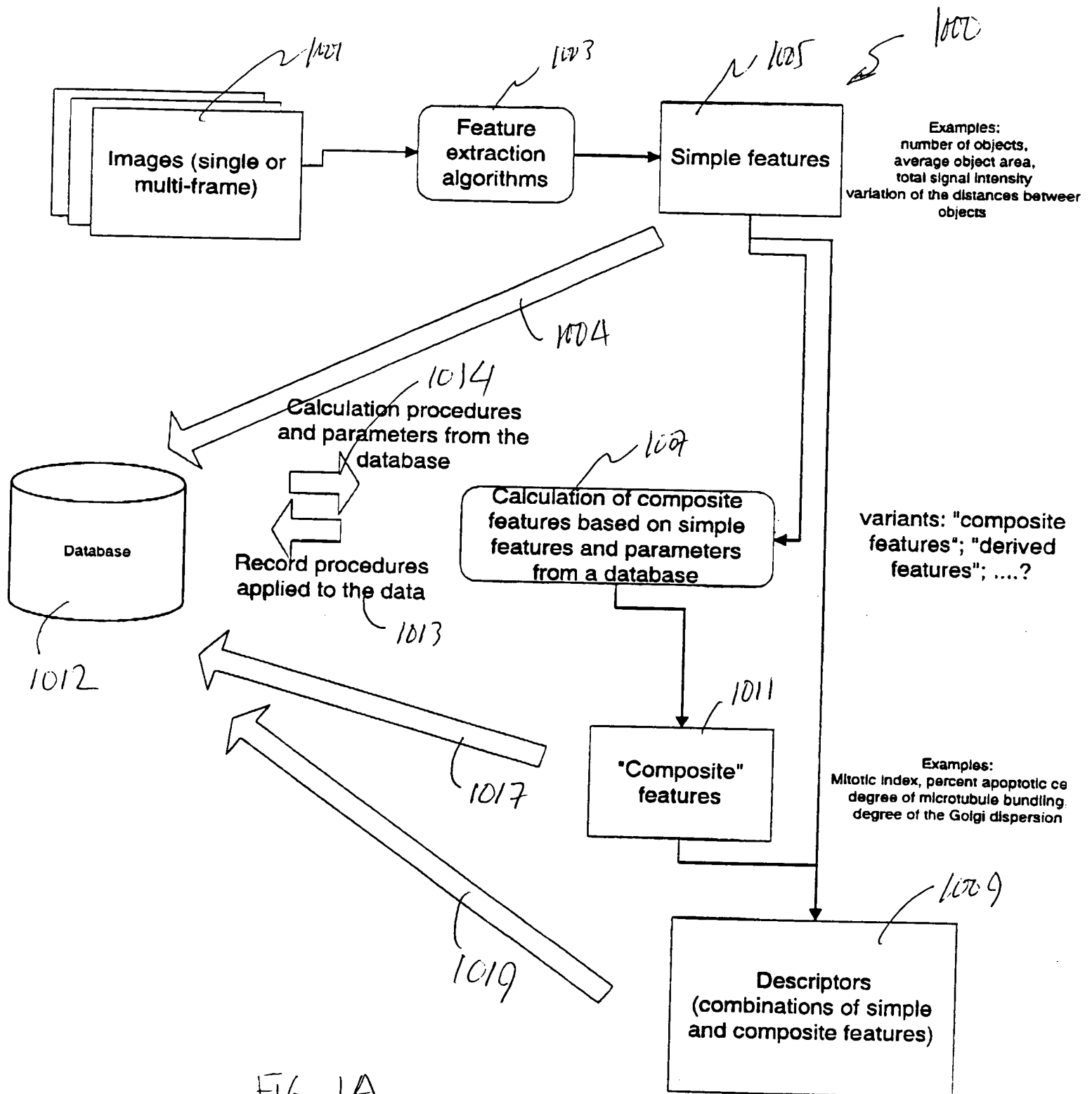


FIG. 1A

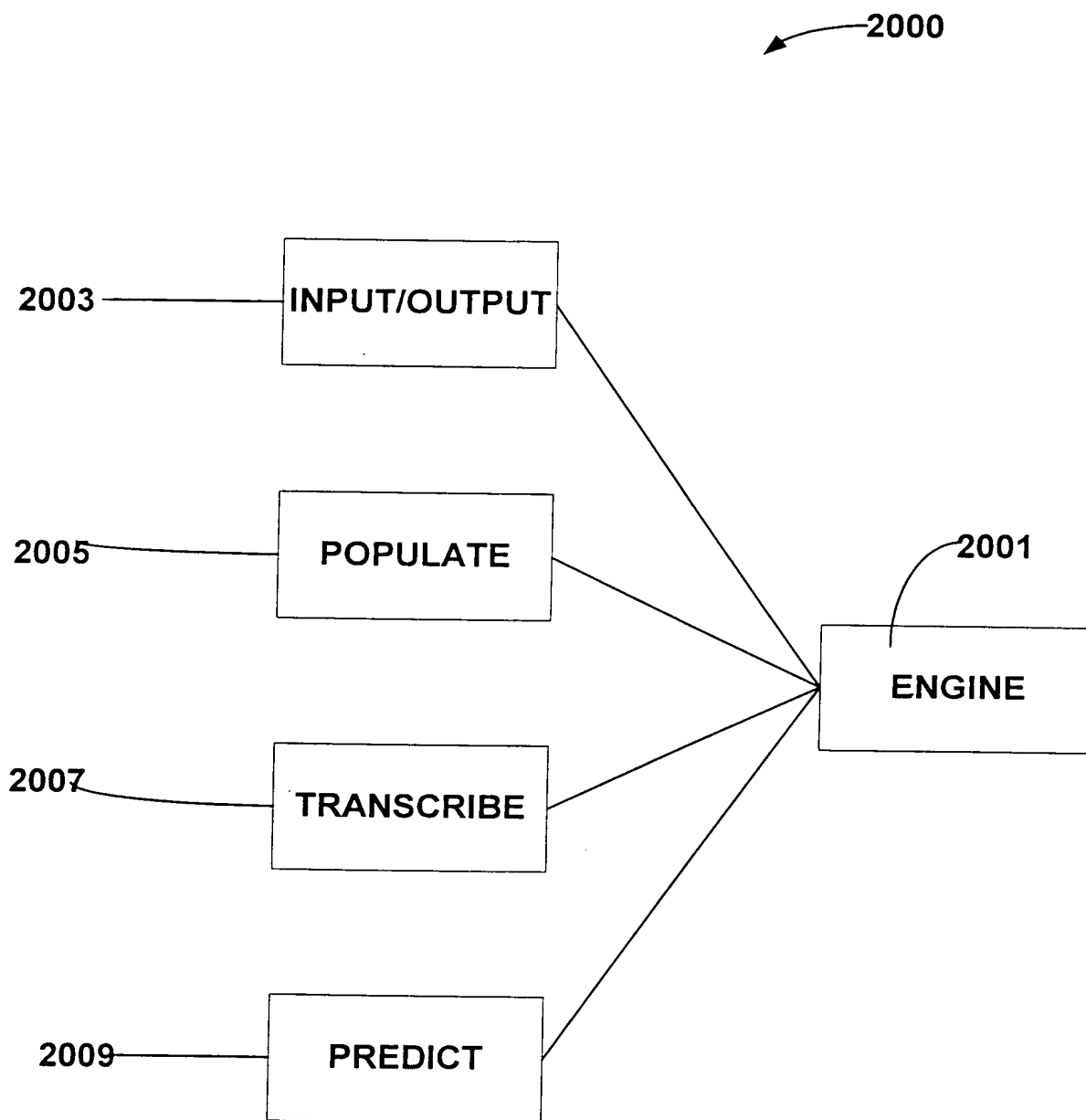


FIG. 1B

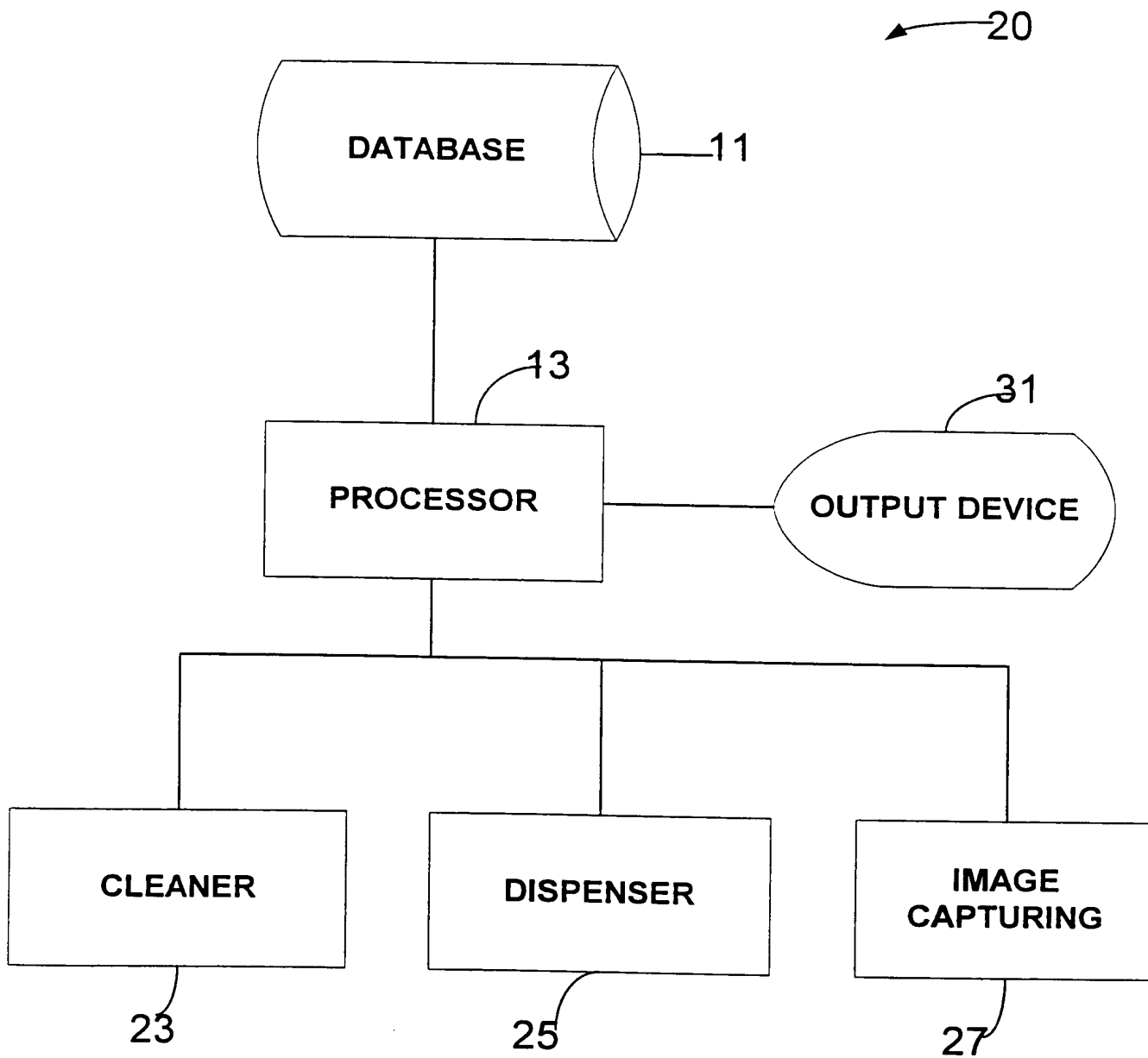


FIG. 2

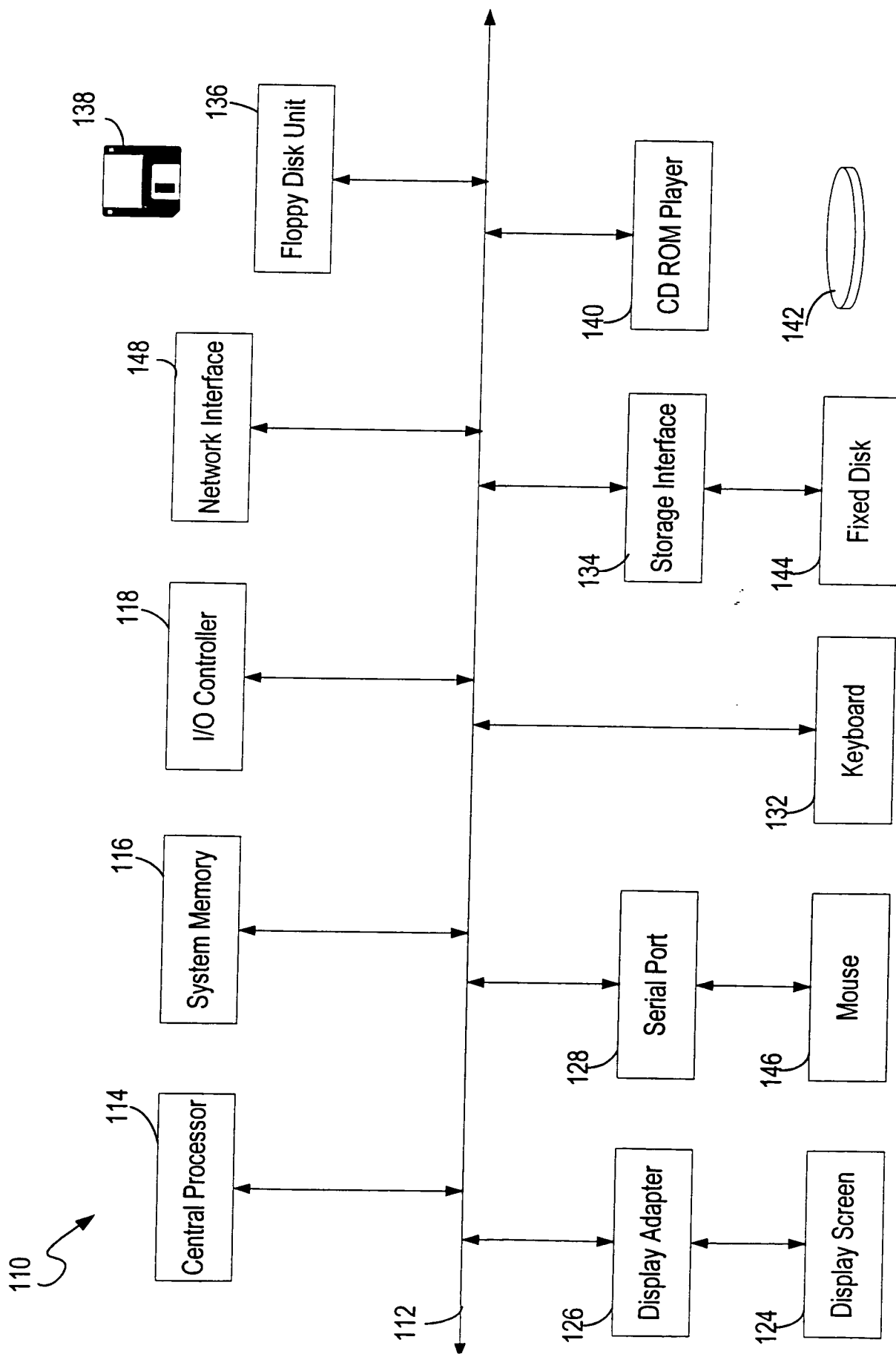
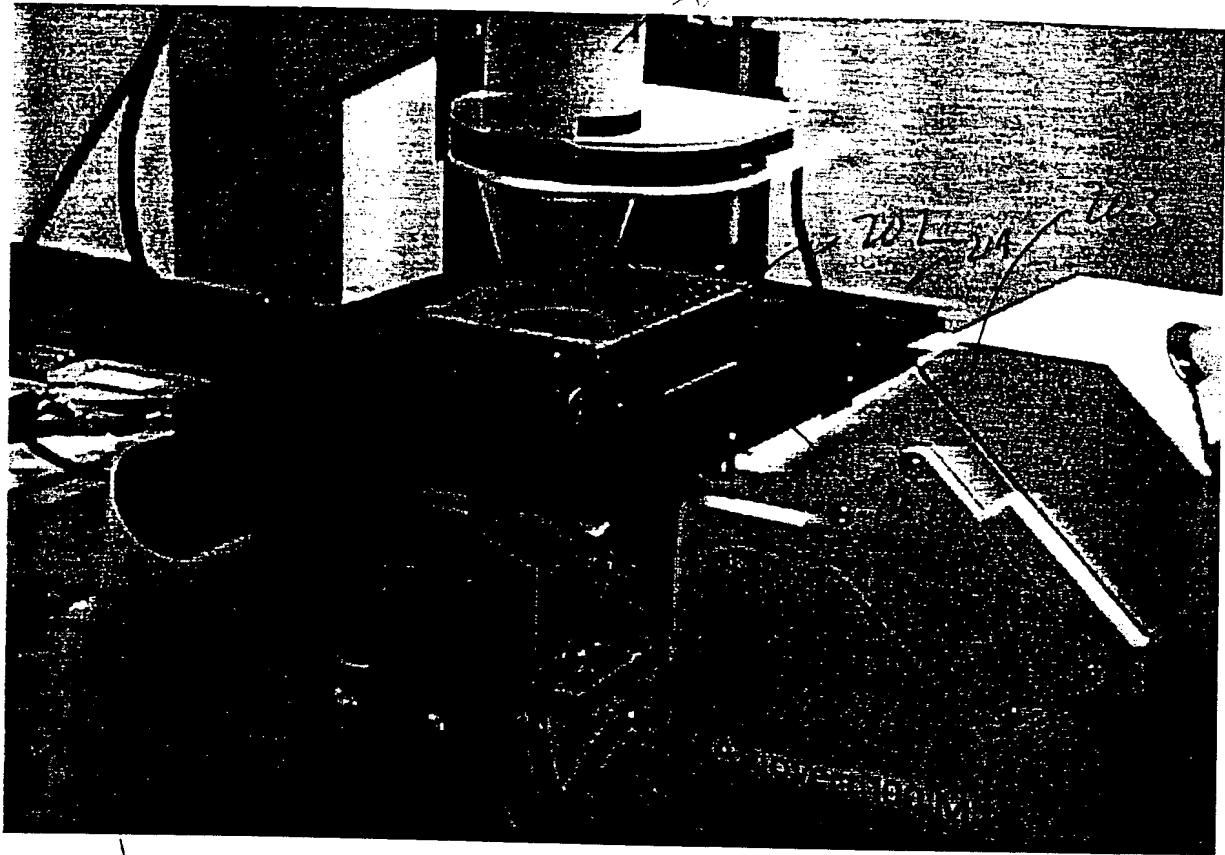


Fig. 3



210

FIG. 4

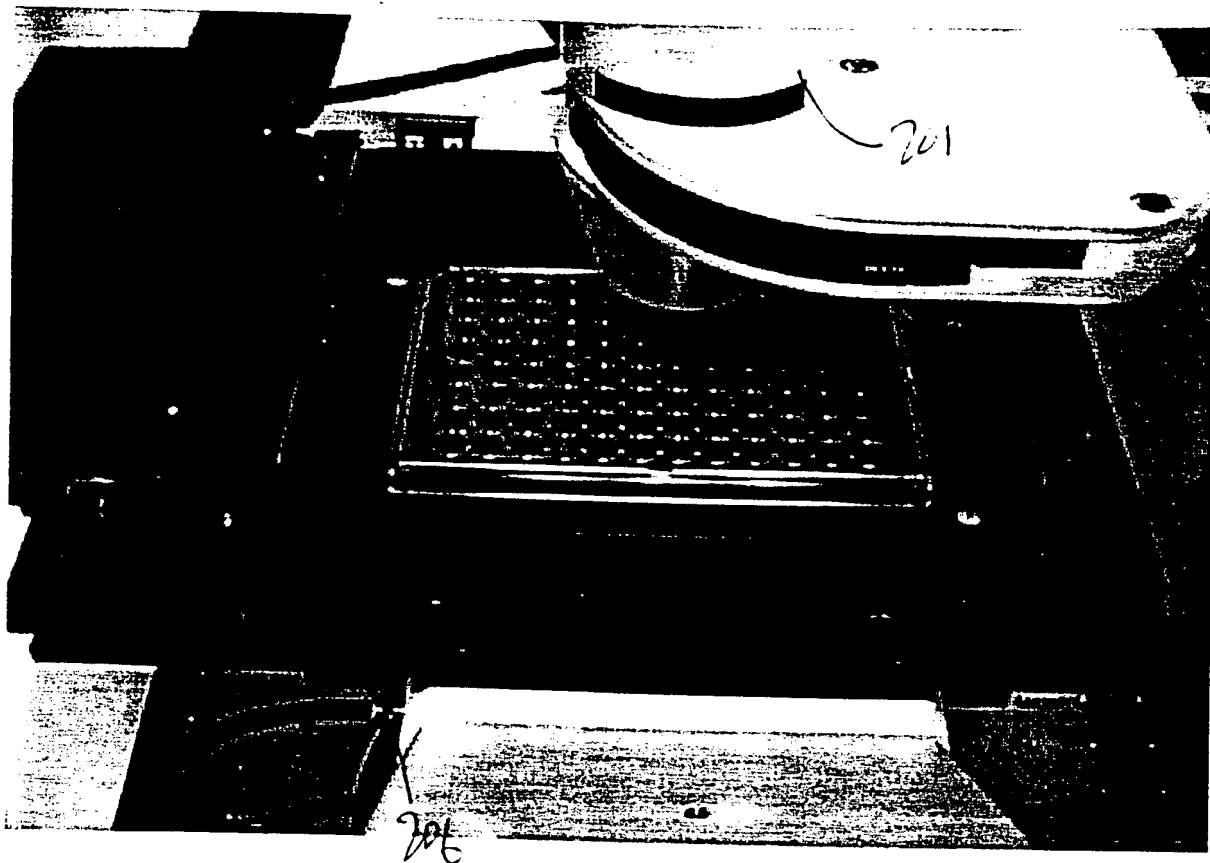


FIG 5

FIG. 5A

②

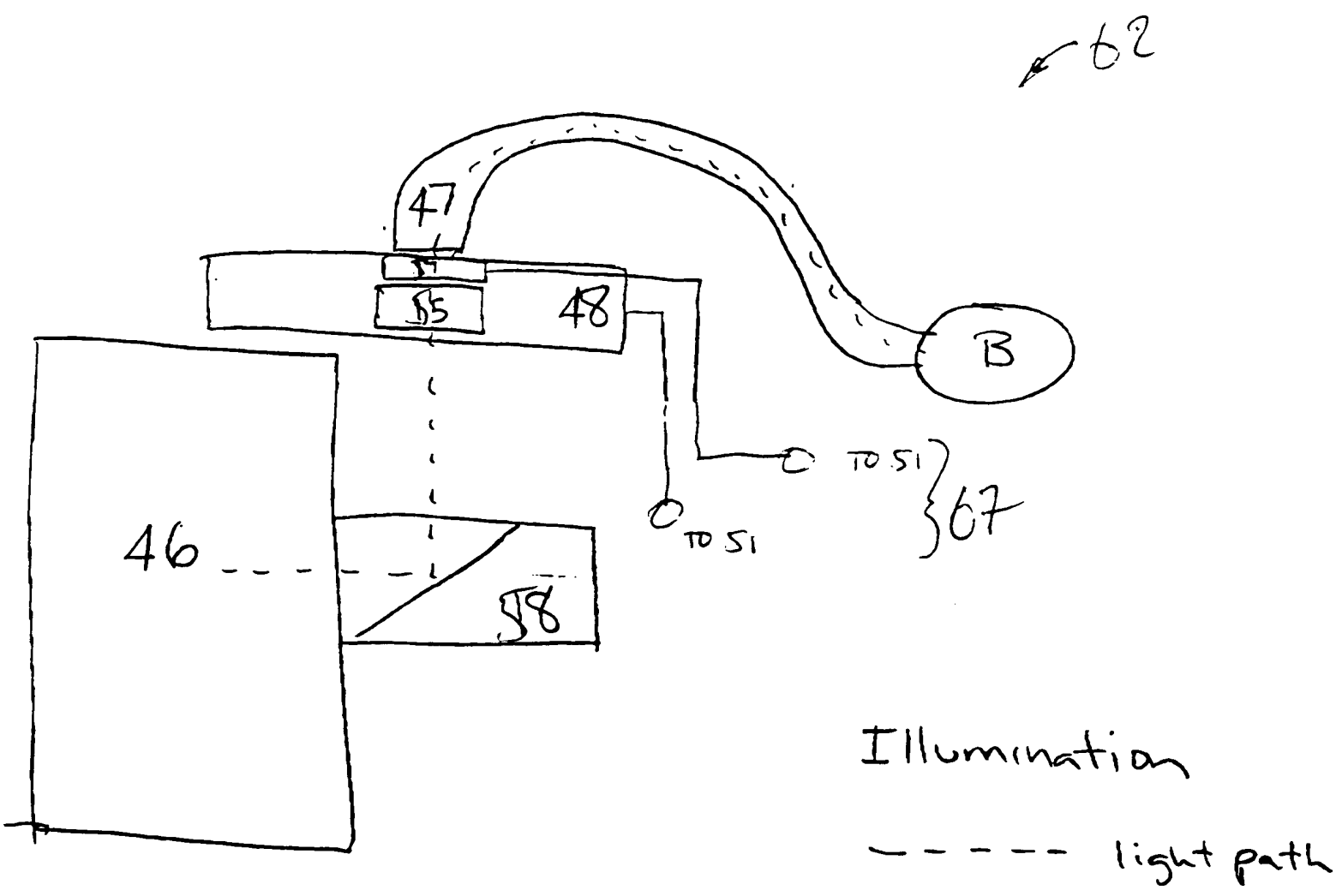
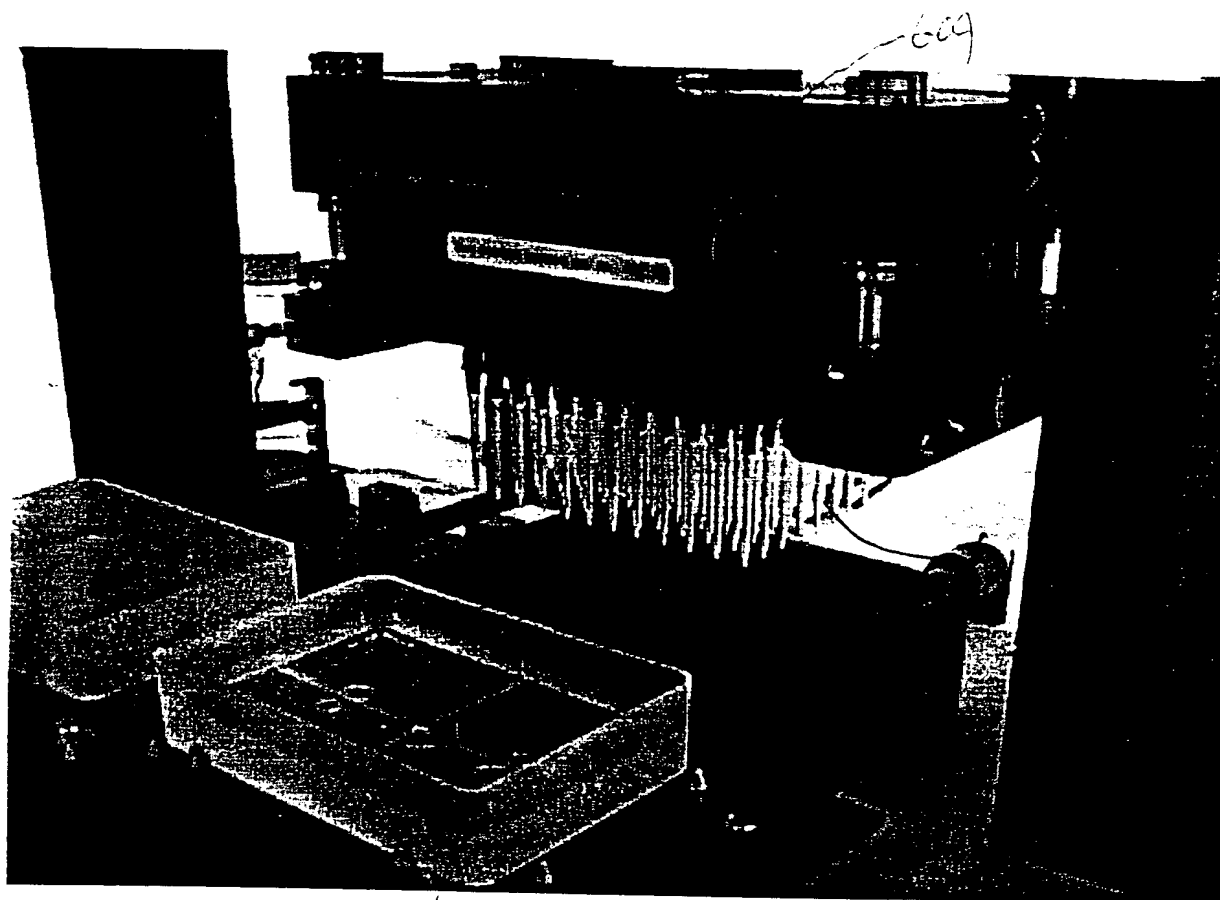


FIG. 5B



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FIG. 6

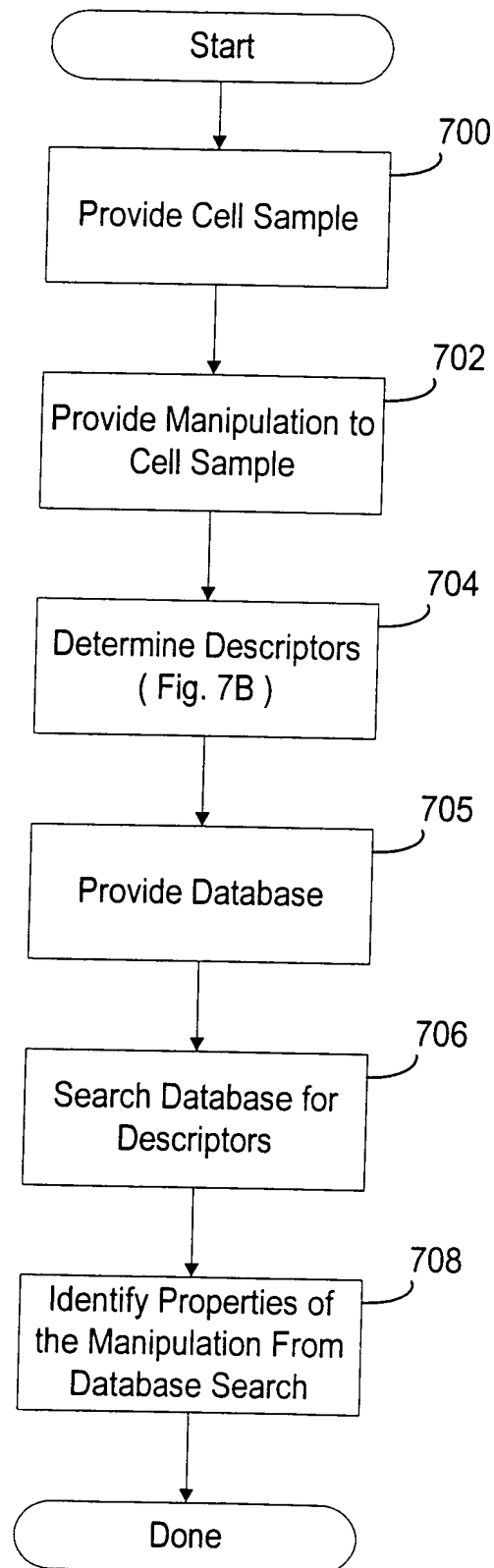


Fig. 7A

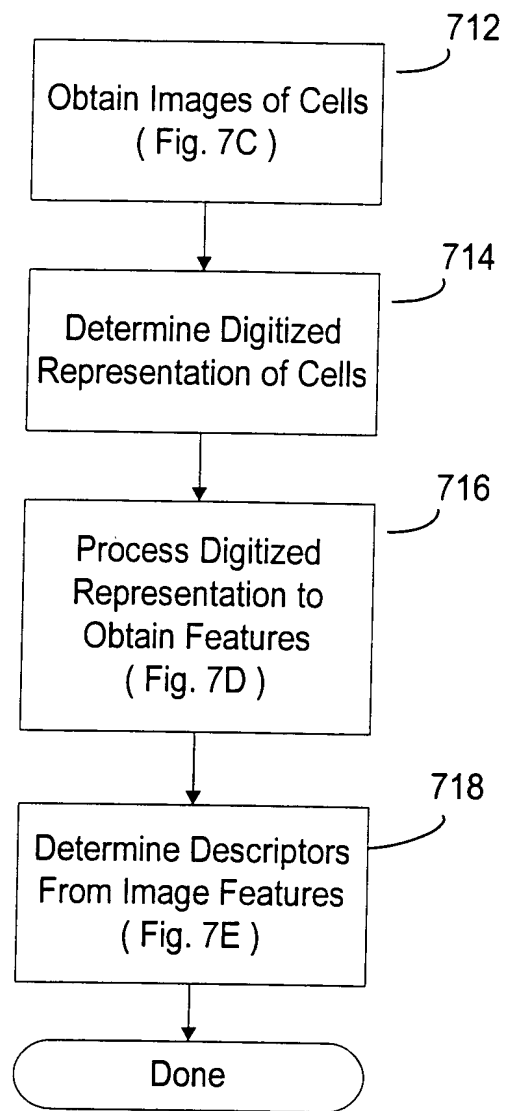


Fig. 7B
Step 704 of Fig. 7A

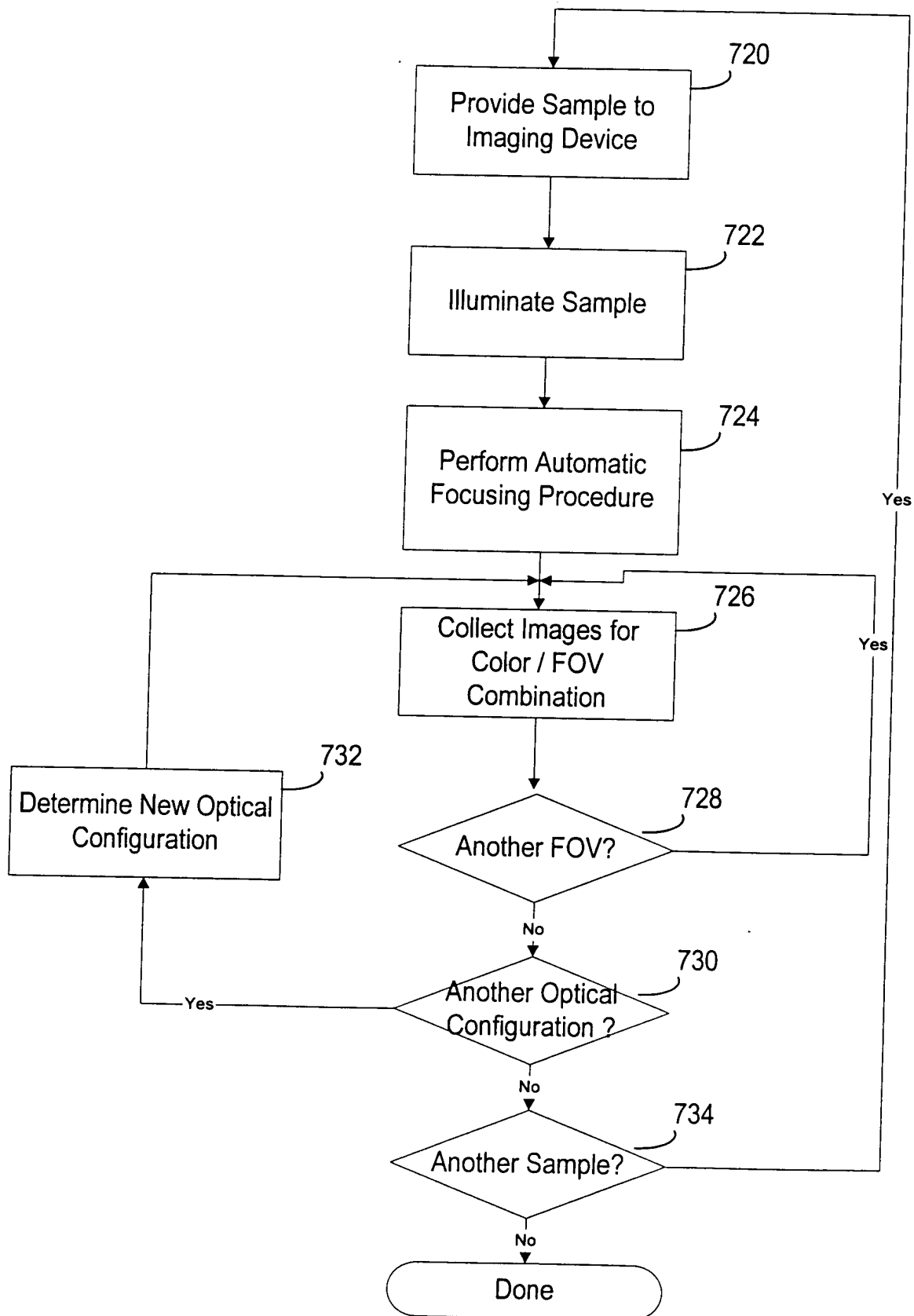


Fig. 7C
Step 714 of Fig. 7B

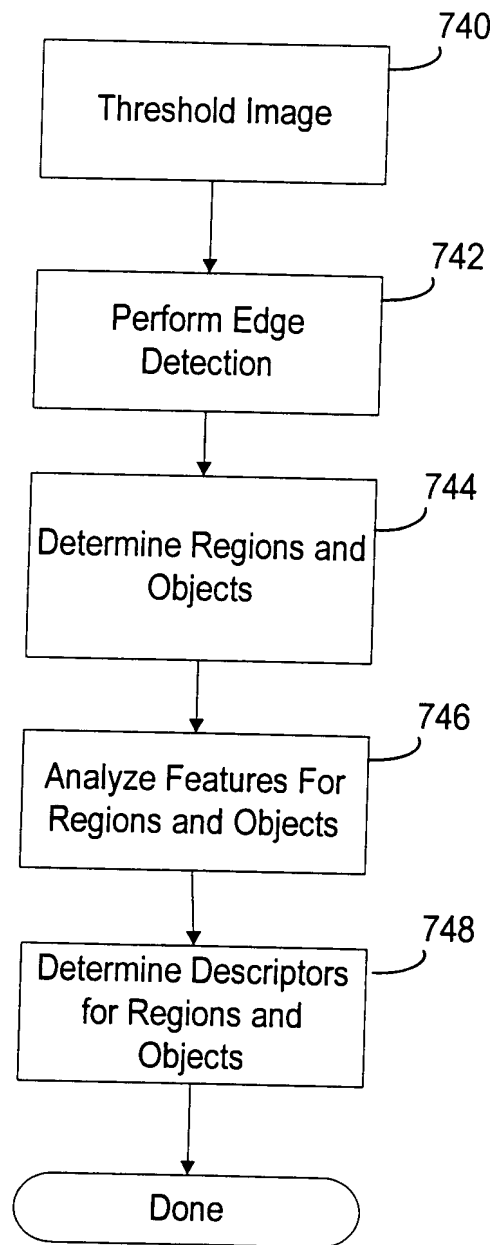


Fig. 7D
Step 716 of Fig. 7B

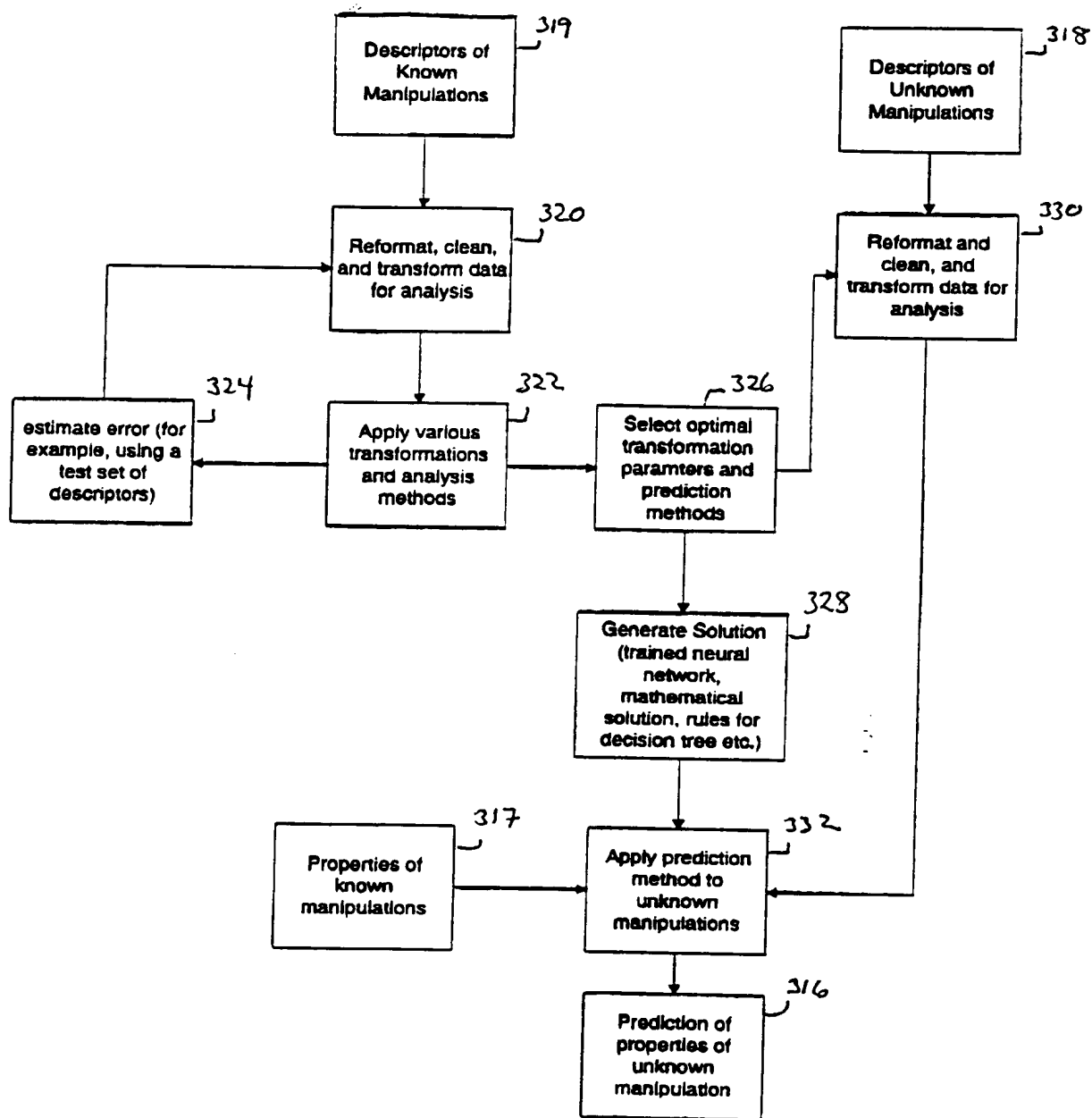


FIG. 7E

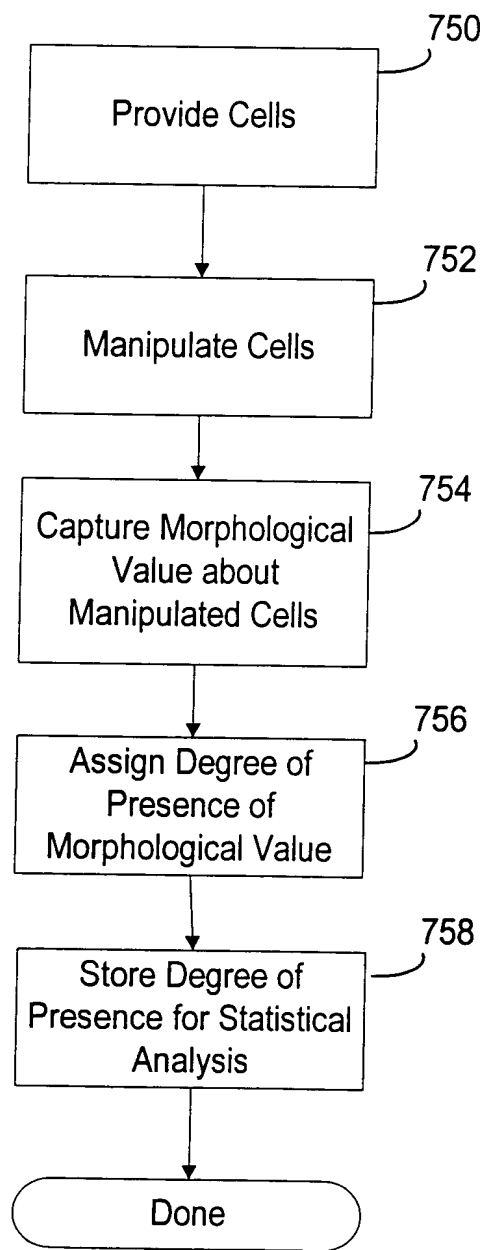


Fig. 7F

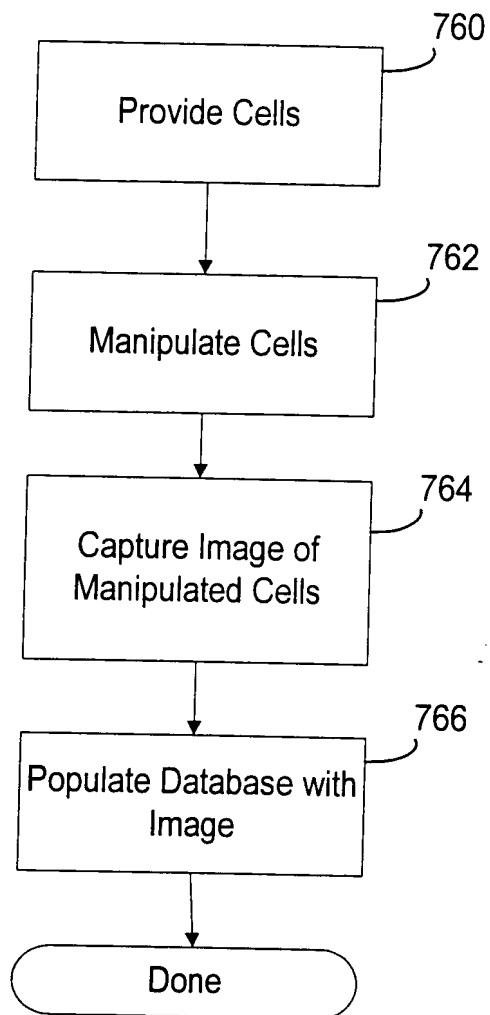


Fig. 7G

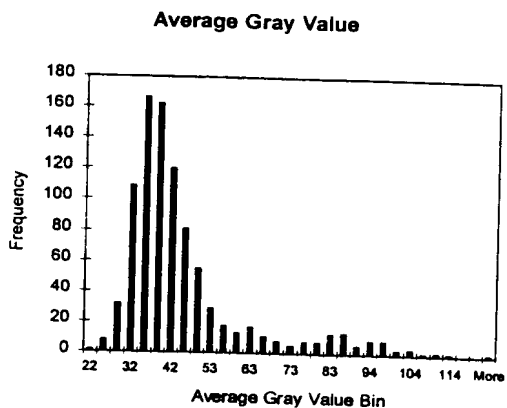


Fig. 8A

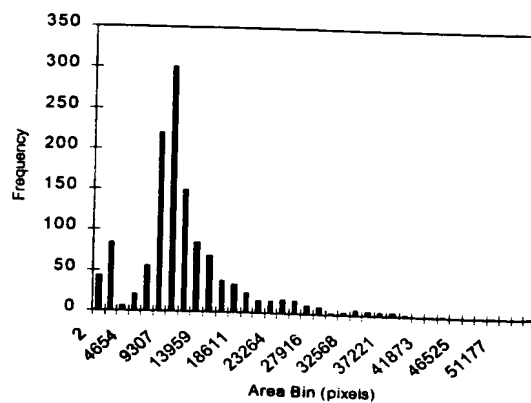


Fig. 8B

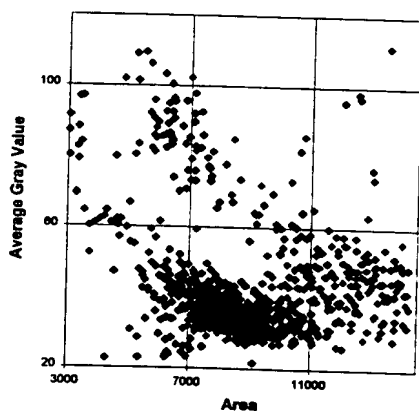


Fig. 8C

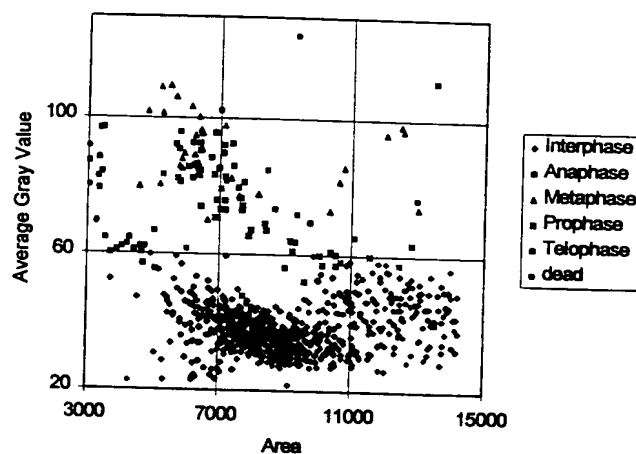


Fig. 8D

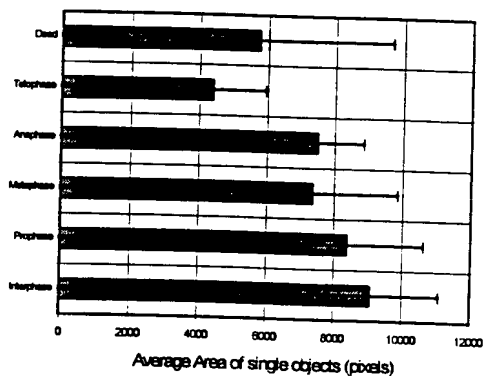


Fig. 8E

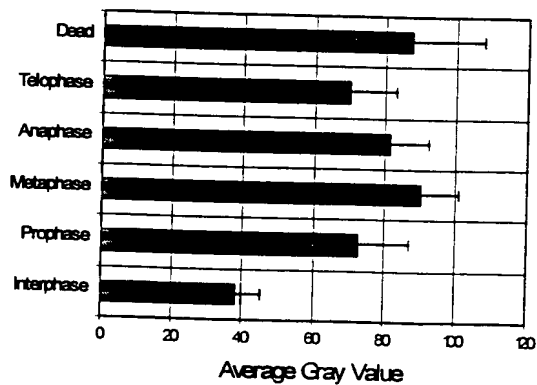
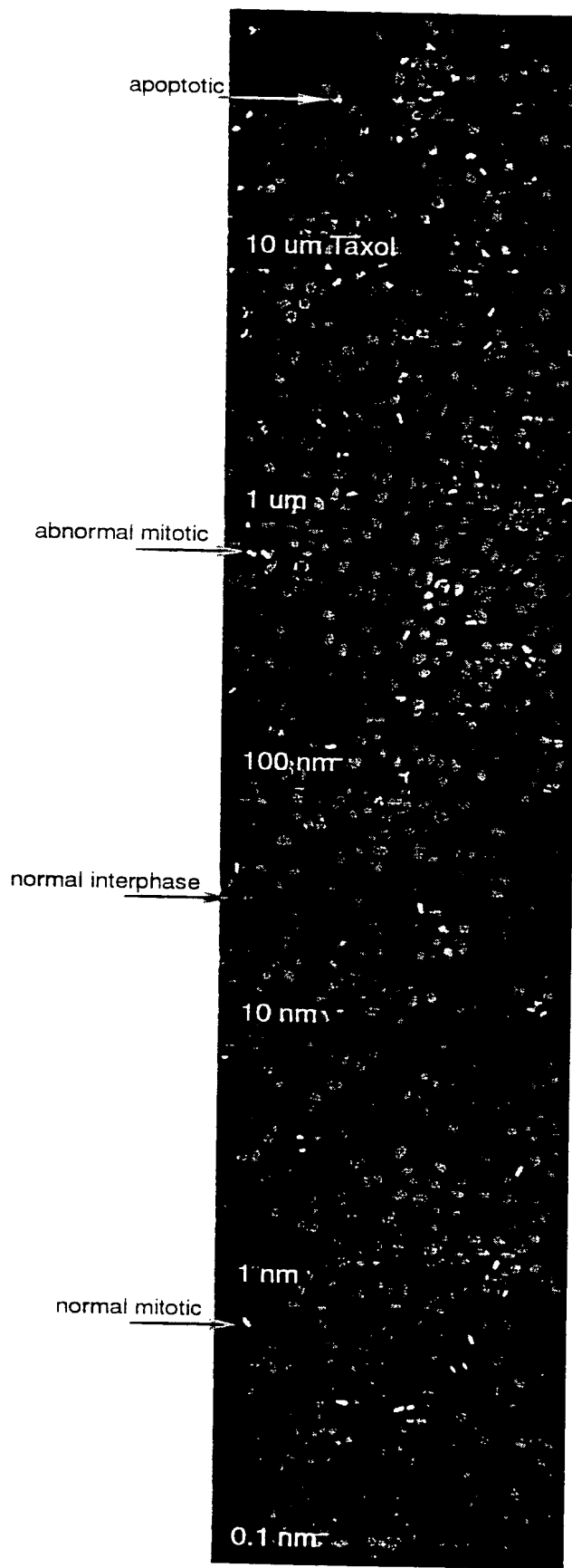


Fig. 8F

Fig 7



MDCK cells treated with Taxol for 4.5 hours

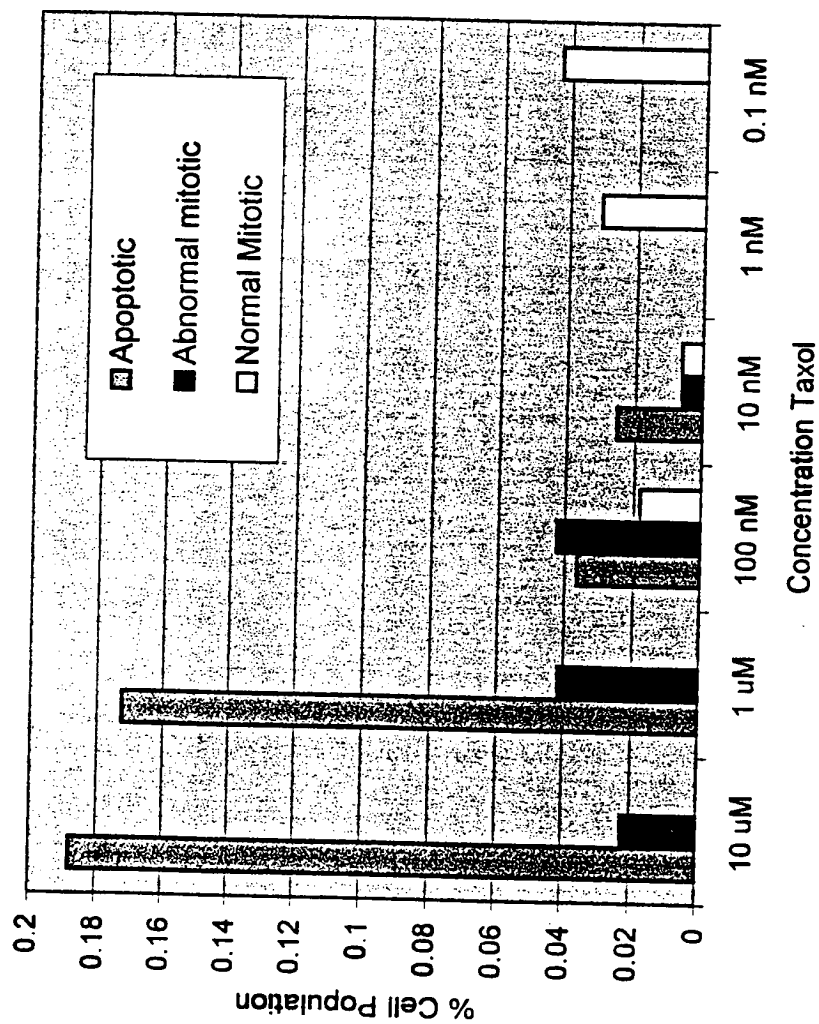


Fig. 10

Scatter Plot

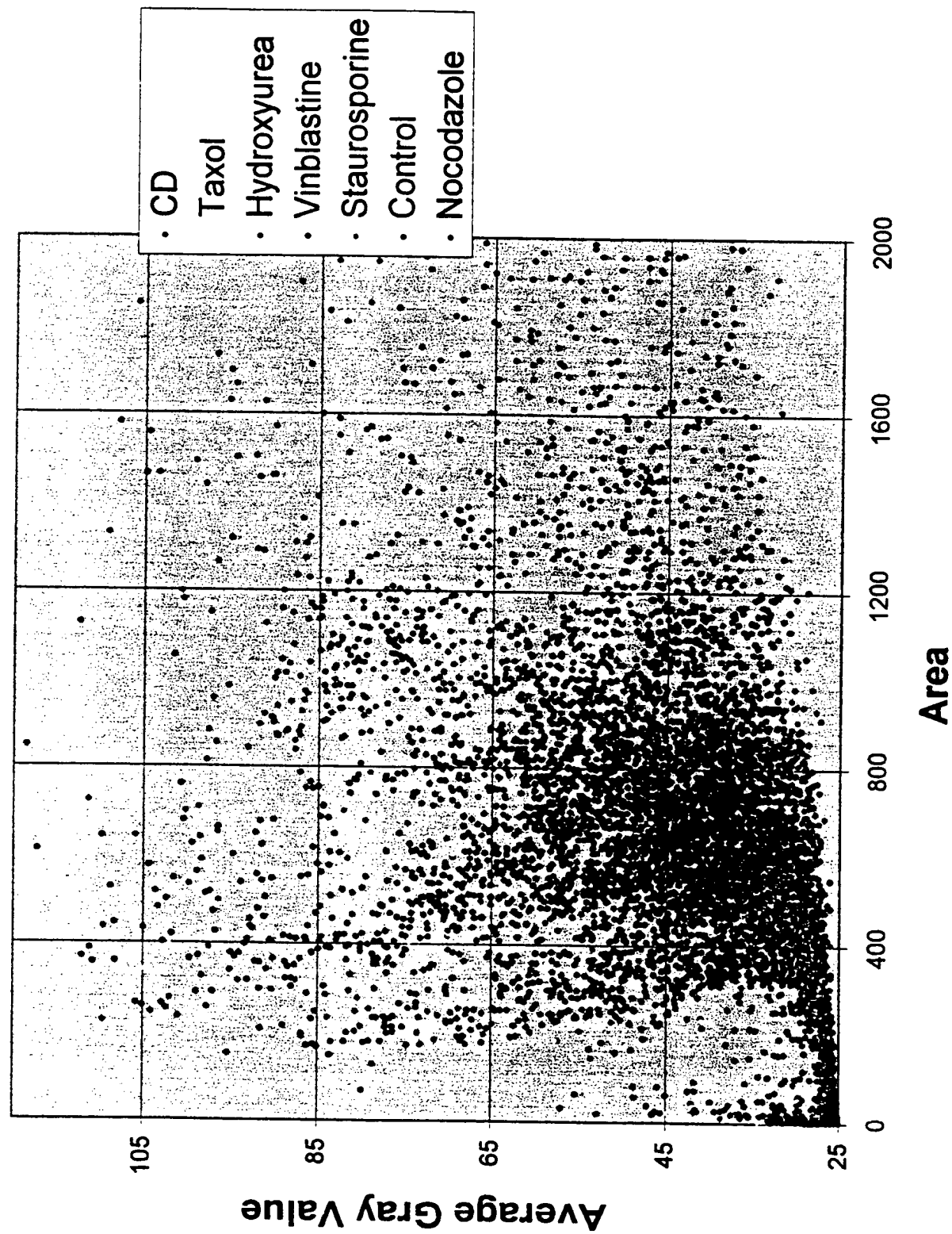


Fig. 11

Normal

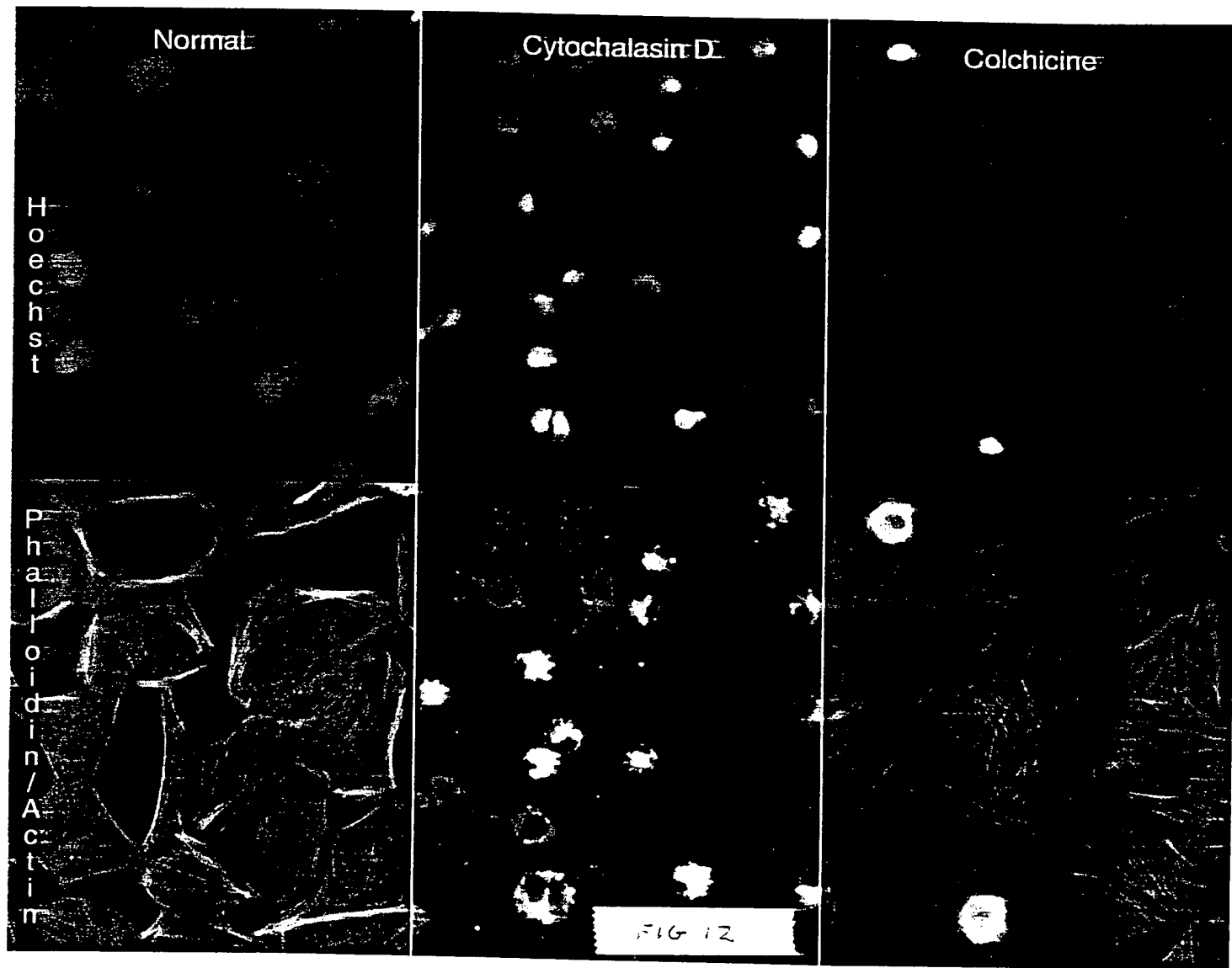
Cytochalasin D

Colchicine

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FIG 12



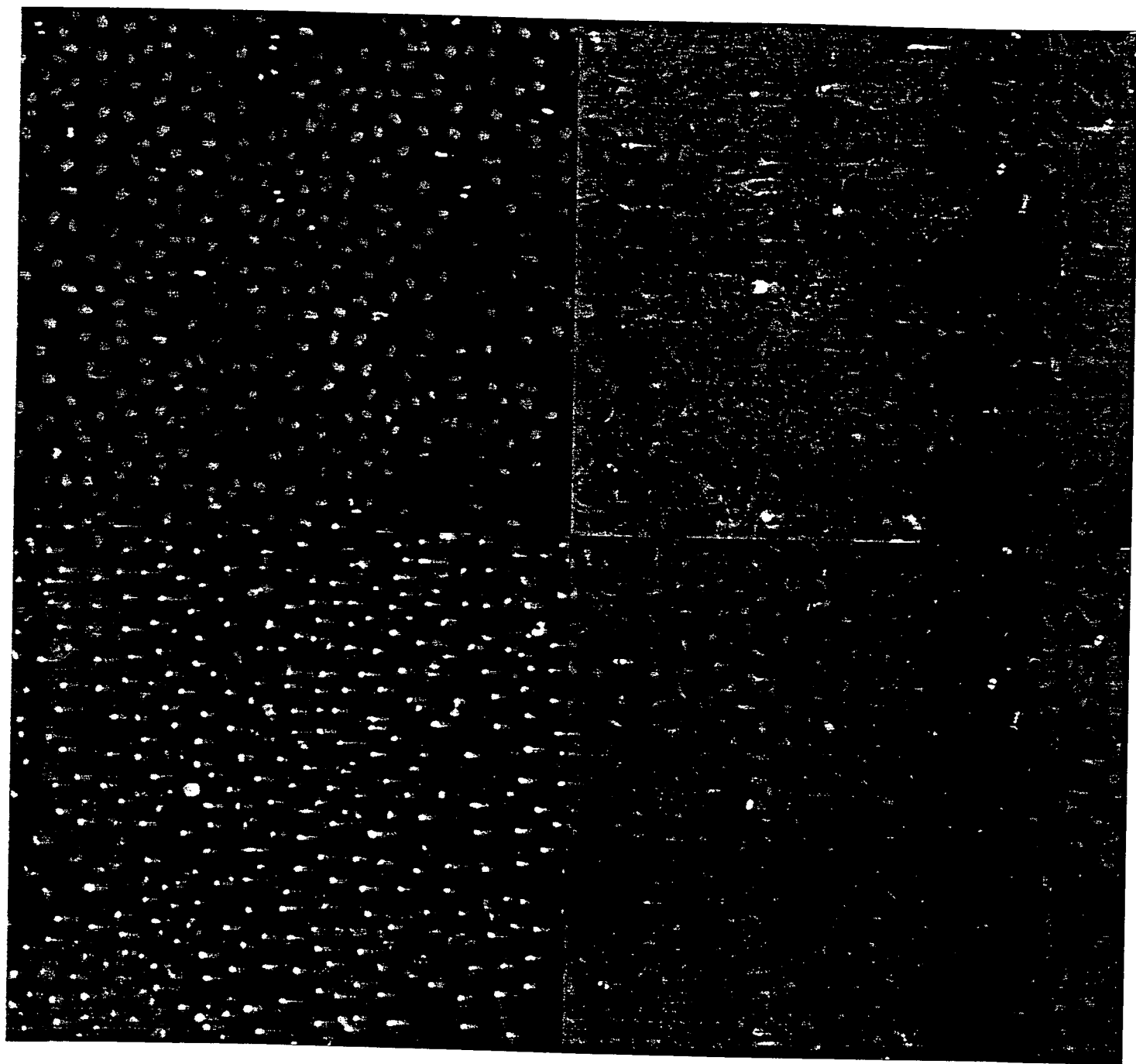


FIG. 13

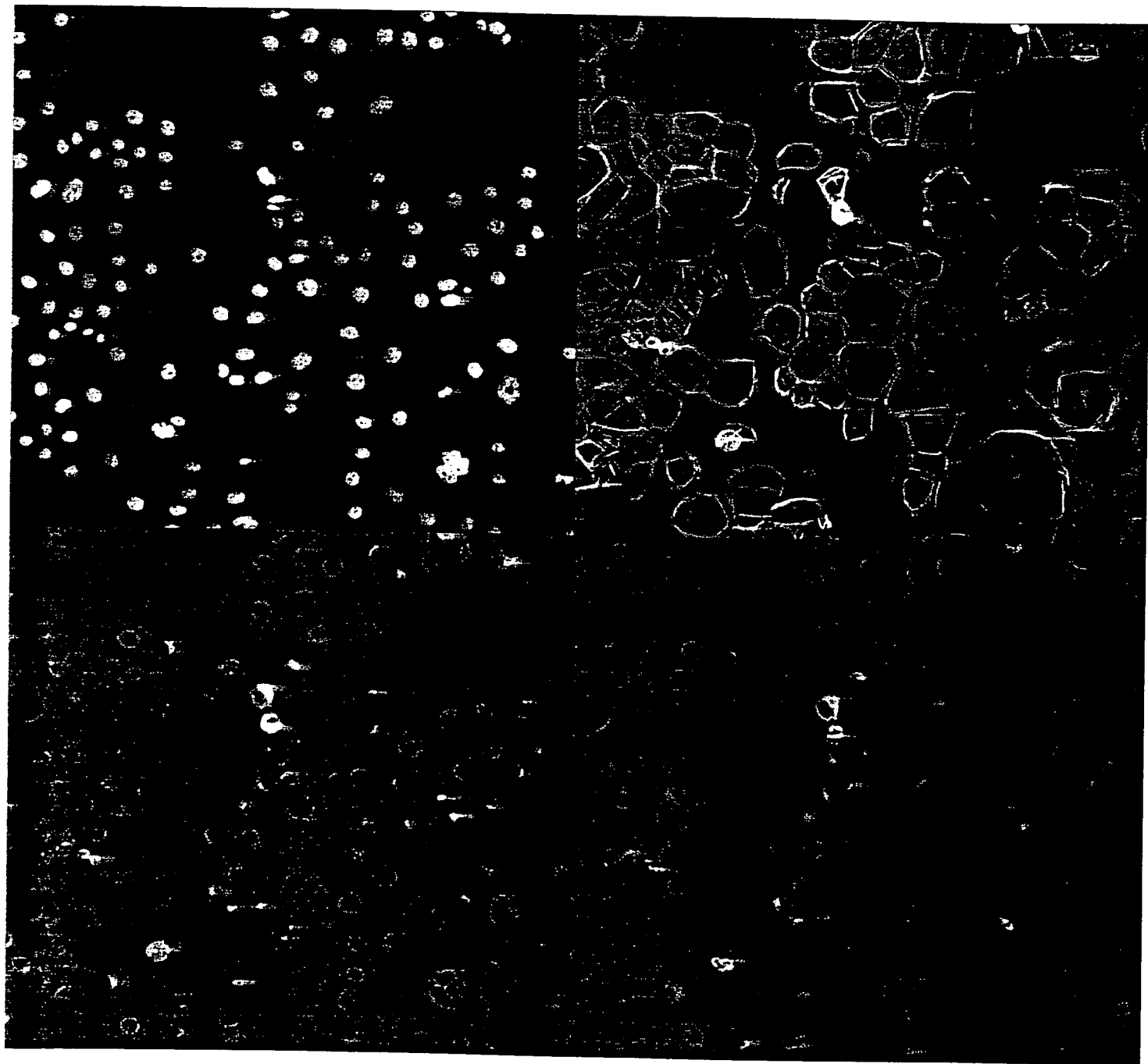


FIG. 14

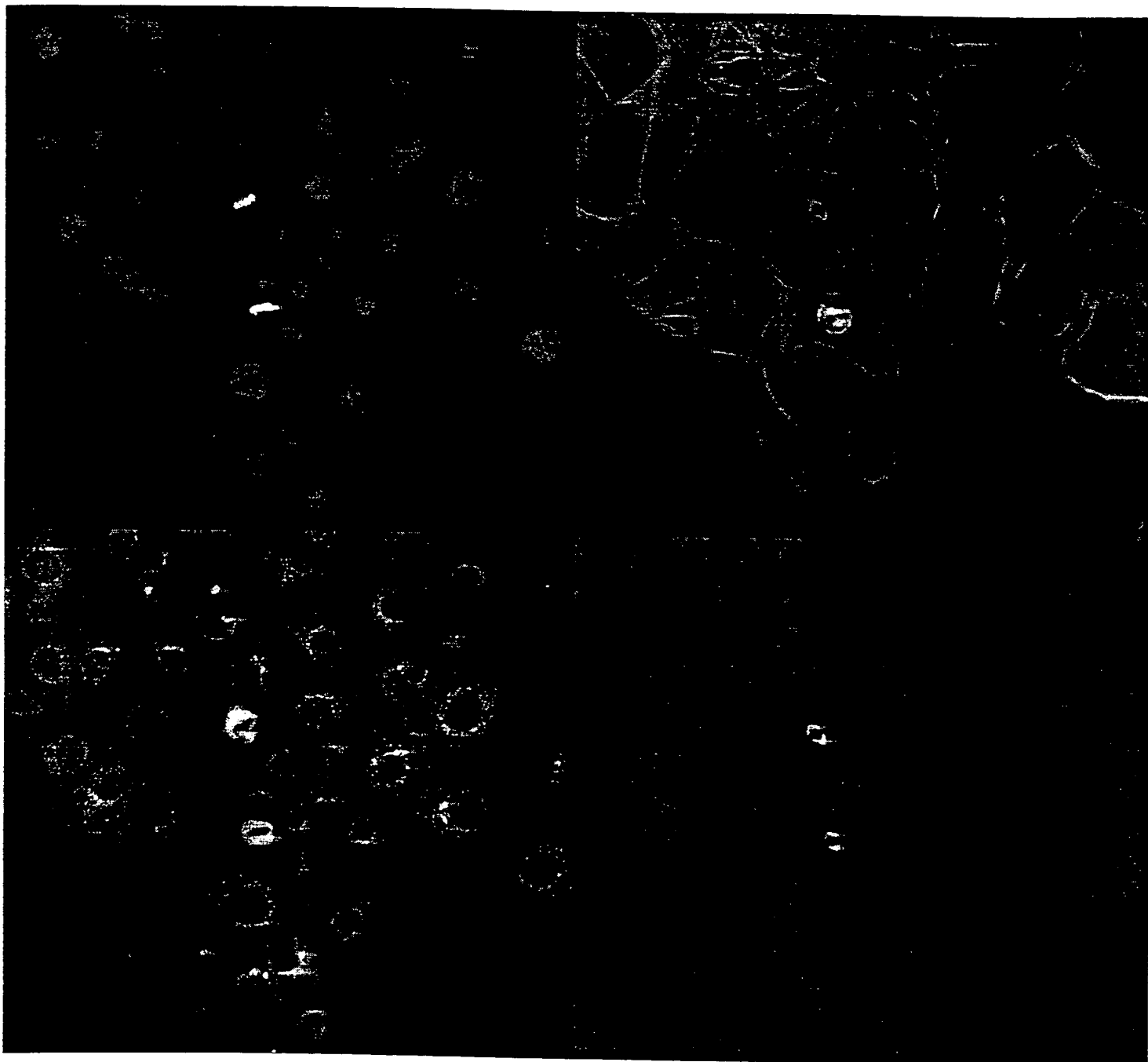


FIG. 15

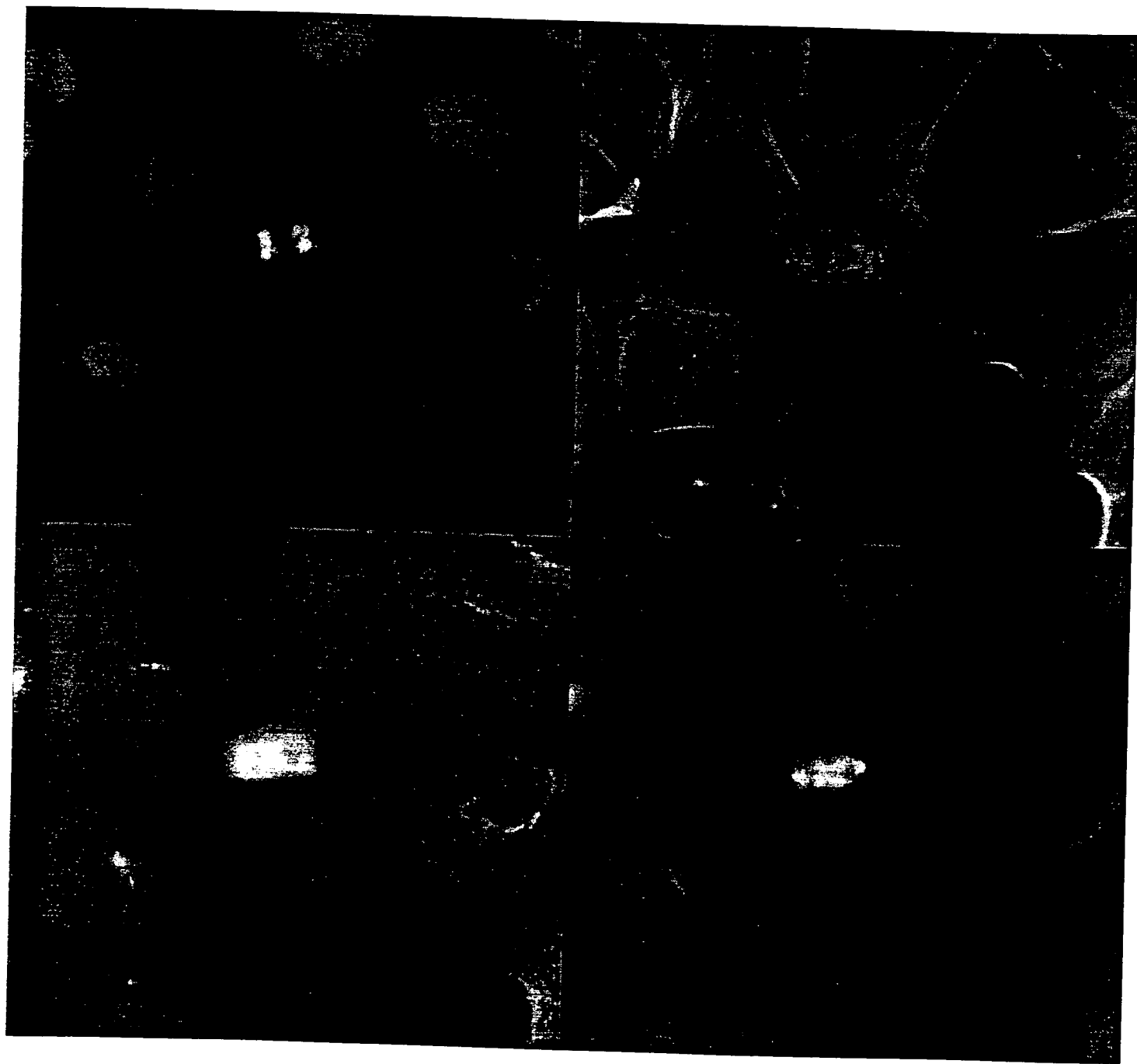


FIG. 16

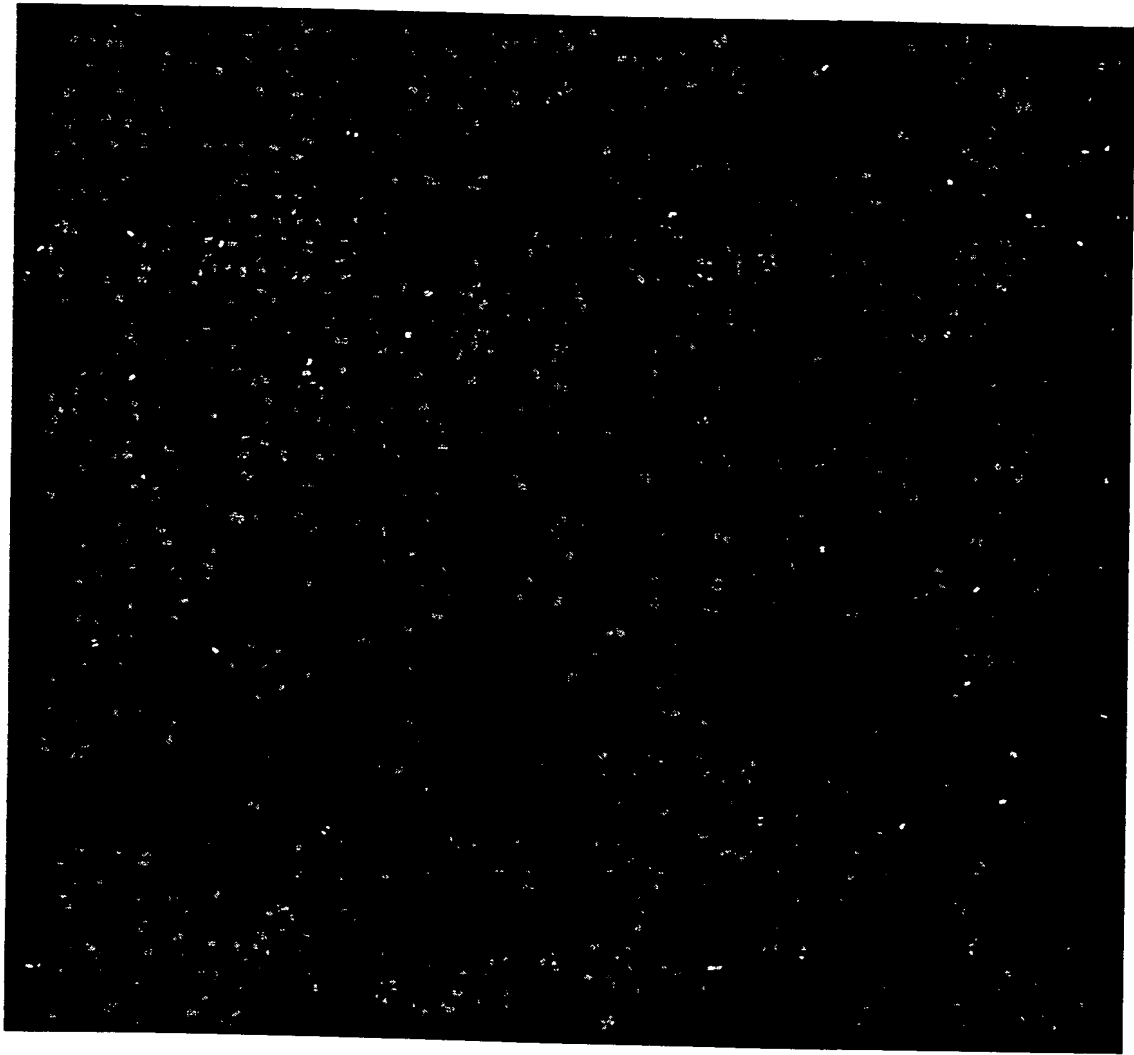


FIG. 17

Conversion of morphometric parameters into nucleic acid code
and clustering of the resulting sequences using Neighbor
Joining method.

Compound:	Measurements																			
	Count	Area	Perimeter	Length	Breadth	Fiber length	Fiber breadth	Shape factor	Ell. form factor	Inner radius	Outer radius	Mean radius	Equiv. radius	Equiv. sphere vol.	Equiv. prolate vol.	Equiv. oblate vol.	Equiv. sphere surface area	Average gray value	Total gray value	Optical density
Control	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t
Taxol	a	t	t	t	t	t	t	t	a	t	t	t	t	t	t	t	t	t	t	t
CD	c	a	a	a	t	a	t	t	c	a	a	a	a	a	a	a	a	t	a	a
Nocodozol	c	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t
Staurosporine	g	g	c	a	a	t	a	a	t	g	a	a	a	t	g	g	g	a	a	t
Vinblastine	c	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	g	t	t
Hydroxyurea	g	t	t	t	t	t	t	g	t	t	t	t	t	t	t	t	t	t	c	t

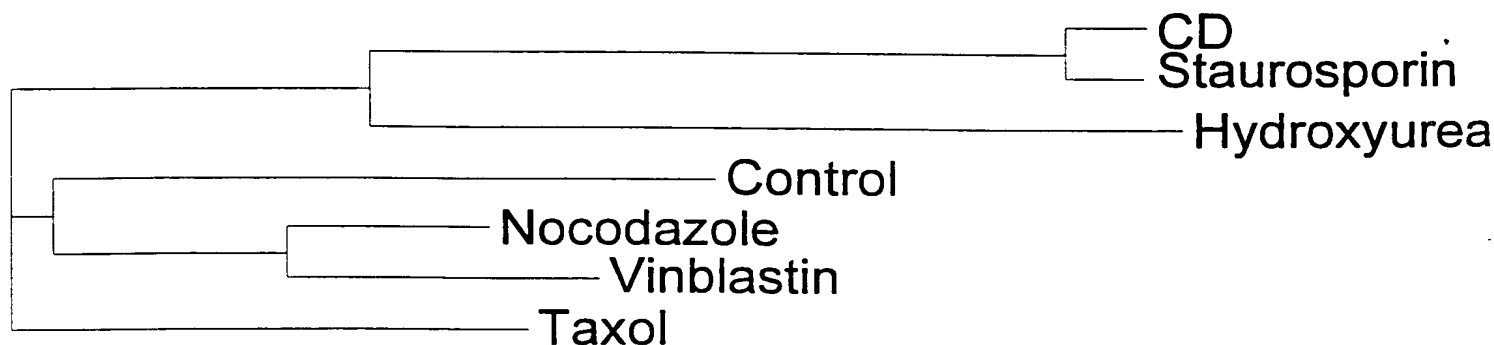


FIG 18

Joining method.

Control

Taxol

CD

vocodozol

Staurosporine

Vinblastine

Hydroxyurea



Staurosporin

- Hydroxyurea

Control

Nocodazole

Taxol

Vinblastine

FIG. 19